



**OAQ CONTROL EQUIPMENT APPLICATION**  
**CE-07: Organics – Adsorber**  
State Form 52624 (3-06)  
**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**

**IDEM - Office of Air Quality - Permits Branch**  
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[www.IN.gov/idem/air/permits/index.html](http://www.IN.gov/idem/air/permits/index.html)

**NOTES:**

- The purpose of CE-07 is to identify all the parameters that describe the adsorber. This is a required form.
- Complete this form once for each adsorber (or once for each set of identical adsorbers).
- Detailed **instructions** for this form are available online at [www.in.gov/idem/air/permits/apps/instructions/ce07instructions.html](http://www.in.gov/idem/air/permits/apps/instructions/ce07instructions.html).
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for any one to inspect and photocopy.

**PART A: Identification and Description of Control Equipment**

Part A identifies the control device and describes its physical properties.

<b>1. Control Equipment ID:</b>	
<b>2. Installation Date:</b>	
<b>3. Adsorption Method:</b>	<input type="checkbox"/> Chemical <input type="checkbox"/> Physical <input type="checkbox"/> Other (specify):
<b>4. Adsorbent Material:</b>	<input type="checkbox"/> Silica Gel <input type="checkbox"/> Activated Alumina <input type="checkbox"/> Molecular Sieve <input type="checkbox"/> Activated Carbon <input type="checkbox"/> Polymer (specify): <input type="checkbox"/> Other (specify):
<b>5. Adsorption Design:</b>	<input type="checkbox"/> Fixed Bed <input type="checkbox"/> On-site Regeneration <input type="checkbox"/> Off-site Regeneration <input type="checkbox"/> Other (specify):
<b>6. Saturation Capacity</b> (include units – Ex. Lbs contaminant / 100 lbs adsorbent):	
<b>7. Breakthrough Capacity</b> (include units – Ex. Lbs contaminant / 100 lbs adsorbent):	
<b>8. Heel Capacity</b> (include units – Ex. Lbs contaminant / 100 lbs adsorbent):	
<b>9. Working Capacity</b> (include units – Ex. Lbs contaminant / 100 lbs adsorbent):	
<b>10. Is this a Dual System?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable
<b>11. Is there a System Bypass during the Regeneration/Purge Cycle?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable
<b>12. Regeneration Frequency</b> (specify units):	<input type="checkbox"/> Not Applicable

**PART B: Operational Parameters**

Part B provides the operational parameters of the control device and the pollutant laden gas stream.

	<b>A. Units</b>	<b>B. Inlet</b>	<b>C. Outlet</b>	<b>D. Differential</b>
<b>13. Organic Vapor Concentration</b> (by volume)	ppmv			
<b>14. Gas Stream Flow Rate</b>	ACFM			
<b>15. Gas Stream Temperature</b>	°F			
<b>16. Gas Stream Pressure</b>	inches of water			to
<b>17. Moisture Content</b>	%			
<b>18. Other</b> (specify):				

### PART C: Pollutant Concentrations

Part C provides the pollutant concentrations of the pollutant laden gas stream.

	19. Units	20. Inlet	21. Outlet	22. Efficiency (%):	
				Capture	Control
<input type="checkbox"/> a. Hazardous Air Pollutant (HAP) <i>(specify)</i> :					
<input type="checkbox"/> b. Volatile Organic Compounds (VOC)					
<input type="checkbox"/> c. Other Pollutant <i>(specify)</i> :					

### PART D: Monitoring, Record Keeping, & Testing Procedures

Part D identifies any existing or proposed monitoring, record keeping, & testing procedures that may need to be included in the permit.

23. Item(s) Monitored:				
24. Monitoring Frequency:				
25. Item(s) Recorded:				
26. Record Keeping Frequency:				
27. Pollutant(s) Tested:				
28. Test Method(s):				
29. Testing Frequency:				

### PART E: Preventive Maintenance Plan

Part E verifies that a complete Preventive Maintenance Plan (PMP) has been prepared for the control device, if applicable. Use this table as a checklist to ensure that the PMP is complete.

#### 30. Do you have a Preventive Maintenance Plan (PMP)?

☐ No PMP is needed. ☐ Yes – the following items are identified on the PMP:

<input type="checkbox"/> A.	Identification of the individual(s) responsible for inspecting, maintaining and repairing emission control devices.
<input type="checkbox"/> B.	Description of the items or conditions that will be inspected.
<input type="checkbox"/> C.	Schedule for inspection of items or conditions described above.
<input type="checkbox"/> D.	Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

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